GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:2706
ANSWERED ON:01.08.2002
NATIONAL POLICY FOR SOLAR ENERGY DISTRIBUTION
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Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the remote villages in India, specially at the sea coasts or otherwise under-developed require solar energy support at a subsidized cost for atleast two points of light in their hutments or houses;

(b) if so, whether any allotment has been made for such subsidy, State-wise;

(c) whether any national policy for solar energy distribution to the poorest in our country in the remote areas has been evolved; and

(d) if so, the details thereof?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a), (b), (c) & (d) : The Government is encouraging the use of solar energy based lighting systems all over the country, especially in rural and remote areas, forests and hilly regions, deserts, islands and coastal areas. The Solar Photovoltaic (SPV) Programme of the Ministry for the promotion of solar home lighting systems, solar lanterns, street lighting systems and stand-alone village level power plants is being implemented through the state renewable energy development agencies, a few non-governmental organizations and some public sector undertakings. Under this programme, all categories of individual beneficiaries and non-commercial organizations are eligible for central subsidy through these programme implementing organizations. The pattern of the central financial assistance during 2001-02 and the eligible categories of beneficiaries is given in Annexure - I. The guidelines for the 2002-03 programme have yet not been announced. The details of the funds released, State-wise, during the Ninth Plan under the SPV Programme are given in Annexure - II.

It is estimated that there are about 18000 census villages located in remote and difficult areas of the country which can not be electrified by extension of the conventional power grid. It is proposed to electrify all such villages through non - conventional energy sources such as solar, biomass and small hydro power. During the Tenth Plan, it is proposed to electrify 5000 such villages, including 4,000 through solar energy systems. Financial assistance will be provided to state renewable energy agencies, NGOs and other participating organizations for carrying out this task.

ANNEXURE - II

Annexure-II referred to in reply to Parts (a),(b),(c)&(d) of Lok Sabha UnstarredQuestion No. 2706 for 1.8.2002 regarding National Policy for Solar Energy Distribution.

STATE - WISE FUNDS RELEASED UNDER SPV DEMONSTRATION & UTILIZATION PROGRAMME DURING NINTH PLAN

(RS. IN LAKHS)

S.No.	STATE / UT	1997-98	1998-99	99-2000	2000-01	2001-02
1	Andhra Pradesh	0	165.44	54.90	67.20	109.41
2	Arunachal Pra	10.4	31.20	22.57	18.53	0
3	Assam	21.6	70.42	22.87	55.14	1.25
4	Bihar	25	245.54	369.72	6.20	0
5	Chhattisgarh	-	-	-	197.00	8.70
6	Goa	0	0.85	1.45	-	0
7	Gujarat	6.37	104.68	81.60	300.30	69.75
8	Haryana	104.96	175.68	183.93	239.70	170.81
9	Himachal Pr	70.22	167.23	321.53	130.50	133.94
10	Jammu & Kashmir	40.47	163.12	335.94	72.85	27.36
11	Karnataka	7.13	46.30	41.80	74.78	106.97
12	Kerala	0	102.65	208.35	321.19	812.84

13	Madhya Pradesh	59.9	93.00	25.45	- 12.26
14	Maharashtra	23.25	21.00	18.30	29.75 38.70
15	Manipur	0	30.80	43.28	nil 44.75
16	Meghalaya	7.5	18.60	8.36	58.00 0.60
17	Mizoram	7.84	24.03	15.74	165.55 19.95
18	Nagaland	0	5.23	7.25	8.68 -
19	Orissa	45	271.86	300.98	31.86 61.00
20	Punjab	64.35	274.40	237.05	54.53 35.13
21	Rajasthan	134.2	480.64	315.12	182.24 474.22
22	Sikkim	0	7.41	2.66	0.19 36.92
23	Tamilnadu	0	49.76	19.70	75.66 53.80
24	Tripura	25.69	83.19	66.35	107.48 112.40
25	Uttar Pradesh	656.3	866.96	368.00	502.88 563.00
26	Uttaranchal	-	-	-	208.60 92.75
27	West Bengal	212.19	173.05	385.74	336.86 643.05
28	A & N Islands	0	0	0	10.15 -
29	Chandigarh	3.47	20.61	4.15	0.80 10.53
30	Delhi	0	0	7.20	13.71 0.83
31	Lakshadweep	0	4.00	11.90	64.00 17.75
32	Pondicherry	2.59	1.70	2.62	nil 3.78
33	Others (BHEL, BEL, CEL)	0	0	51.84	180.42 281.30
	TOTAL	1528.43	3699.35	3536.39	3514.75 3943.75

ANNEXURE - I

Annexure-I referred to in reply to Parts (a),(b),(c)&(d) of Lok Sabha UnstarredQuestion No. 2706 for 1.8.2002 regarding National Policy for Solar Energy Distribution.

PATTERNOF FINANCIAL ASSISTANCE (FA) AND ELIGIBLE CATEGORIES OF BENEFICIARIES FOR THE 2002 SPV PROGRAMME

A - Pattern of Financial Assistance (FA)

A1 - For General Areas.

Sl.No.	SPV System	Central Subsidy	Service Charge
1.	Solar Lantern	Rs.1300 /- (fixed)	Rs.100/-
2.	Home Lighting Systems/Solar Home System	Rs. 5,500 or ex-works cost, which ever is less	50 % of Rs.200/-
3.	Street Lighting System	Rs.11,000 or 50 % of ex-works cost, which ever is less	-
4.	Power Plants & Other systems	Rs. 1,80,000 / kWp of PV Array Capacity or 50 % of the ex-works cost of the project, which ever is less.	Rs.10,000/-

A2 - For North - Eastern Region, including Sikkim

Sl.No.	SPV System	Central Subsidy	Service Charge

1. Solar Lantern	Rs. 3,000/- or of ex-works cost, which ever is less	90 %	Rs.100/-
2. Home Lighting/Solar Home System	Rs. 10,000/- or of ex-works cost, which ever is less	90 %	Rs.200/-
3. Street Lighting System	Rs. 20, 000/- or ex-works cost, which ever is less	90 % of	-
4. Power Plants & Other Community Systems	Rs. 3,50,000 / kWp of PV array Capacity or of ex-works cost, which ever is less	90 %	Rs.10,000/(for power plants)

B - Eligible Categories of Beneficiaries for Central Subsidy

SPV System	Eligible Category of Beneficiaries
Solar Lanterns	All Categories of individual beneficiaries & non profit institutions / organizations. No individual would be given more than one solar lantern
Home Lighting Systems/ Solar Home Systems	All Categories of individual beneficiaries & non profit institutions / organizations. No individual would be given more than one system
Street Lighting Systems	All categories of non - commercial institutions / organizations, State Nodal Agencies, Electricity Boards, Panchayats, Zilla Parishads and DRDAs.
SPV Power Plants / Other Systems	All categories of non- commercial institutions / organizations, State Nodal Agencies, Electricity Boards, Panchayats, Zilla Parishads and DRDAs.